

## METHODS FOR PROCESSING ANIMAL TISSUES

### Abstract of the Disclosure

Described herein are methods for processing and dispersing animal tissues  
5 that involve exposing processed (e.g., decellularized) tissue to an acylating agent,  
wherein the ratio of acylating agent to wet tissue weight is about 0.003:1 or less.  
The disclosed methods result in a dispersed tissue matrix that has a high degree of  
resistance to digestion by non-collagenase proteases, such as trypsin. In order to  
produce sufficiently high yields of these trypsin-resistant compositions, the  
10 processed tissue is preferably cryomilled to increase its surface area prior to  
acylation.

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